GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1465
ANSWERED ON:04.08.2006
NTPC POWER PROJECTS
Saroj Shri Tufani

Will the Minister of POWER be pleased to state:

(a) whether National Thermal Power Corporation(NTPC) commissioned some gas based power plants during 1989-1999;

(b) if so, the details thereof;

(c) whether NTPC in contrary to its earlier decision used Naphtha and Diesel to run some of these plants; and

(d) if so, the reasons therefor and per unit additional cost to be borne as a result thereof?

Answer

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE)

(a) & (b) : Yes, Sir. The details of National Thermal Power Corporation (NTPC)`s gas/liquid fuel based combined cycle power plants commissioned during 1989 to 1999 are as follows:

Sl. No.	Power Plant/Unit details (Primary/Secondary)	Fuel	Capacity	Unit Commissioned in
1.	Anta Gas Power Plant	Gas/Naphtha	419 MW	1989
2.	Auraiya Gas Power Plant	Gas/Naphtha	652 MW	1989-1990
3.	Dadri Gas Power Plant	Gas/HSD	817 MW	1992-1994
4.	Kawas Gas Power Plant	Gas/Naphtha	645 MW	1992-1993
5.	Jhanor Gandhar Gas Power Plant	Gas / -	648 MW	1994-1995
6.	Rajiv Gandhi (Kayamkulam) Combined Cycle Power Plant	Naphtha / -	350 MW	1998-1999
7.	Faridabad Gas Power Plant – GT#1&2	Gas/Naphtha	286 MW	1999

(c) & (d) : No, Sir. NTPC has not changed its decision with regard to fuel for running the above plants. As originally envisaged:

- Jhanor Gandhar Gas Power Plant (GPP) uses Gas as the primary fuel (it does not have provision to use liquid fuel) and Kayamkulam Combined Cycle Power Plant (CCPP) uses Naphtha as the primary fuel.

- Anta GPP, Auraiya GPP, Dadri GPP, Kawas GPP and Faridabad GPP use gas as the primary fuel and Naphtha is used as an alternative fuel (High Speed Diesel in case of Dadri GPP), in the event of short supply of gas and demand by the beneficiary to run the plant on Naphtha. In the event of use of Naphtha in place of Gas as fuel, additional cost per unit is approximately Rs.2.60/unit. In fact, Central Electricity Regulatory Commission (CERC) has already considered alternate fuel in its tariff fixation.

For safety reasons, depending upon manufacturer`s recommendations, some of these plants are also using Diesel, during start-up and shut-down.